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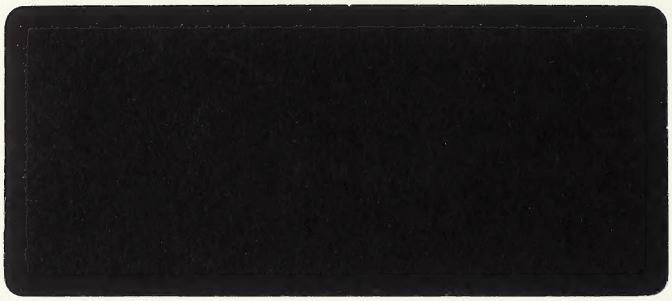
ALBERTA GROSS DOMESTIC PRODUCT

1989

PRELIMINARY ESTIMATES

Alberta

TREASURY
Bureau of Statistics



ALBERTA GROSS DOMESTIC PRODUCT

1989

PRELIMINARY ESTIMATES

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August, 1990

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PREFACE

The Alberta Bureau of Statistics will release the annual Alberta Economic Accounts, 1989 publication later this year. This report, the preliminary release of the consolidated GDP tables, is provided to users who require more timely indicators as to how the economy performed in 1989. Since these are preliminary estimates, revisions will occur when final data become available.

For the first time, we have updated the complete set of tables that goes into the annual Alberta Economic Accounts publication. This detailed information is available only on ASIST or by purchasing a diskette. Also updated are tables showing the details of manufacturing exports and value of non-farm business inventories by industry, which are exclusive to ASIST.

This report contains data for 1981 to 1989 for GDP and its components for the income and expenditure accounts in current dollars; the expenditure account in constant (1981) dollars; implicit price indexes; and GDP by industry. Tables showing growth rates for these tables are also included. Historical data for all tables for 1961 to 1989 are available on ASIST or on diskette which can be obtained by contacting:

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INTRODUCTION

This report contains summary tables detailing Alberta's economic production in 1989 as measured by preliminary estimates of gross domestic product (GDP). The tables include preliminary estimates of GDP and its components for both the income and expenditure accounts. We also have included tables showing constant dollar estimates of the expenditure account, implicit price indexes, and gross domestic product by industry as well as year-over-year percent changes for each of the tables. As noted in the preface, final data will be released later this year with the publication, Alberta Economic Accounts, 1989.

This publication contains only the tables listed above. For the first time, we are making the complete set of tables that go into the annual Alberta Economic Accounts publication available on ASIST or on diskette. **Please note that this is the final release of the constant dollar tables on a 1981=100 base.** We will be rebasing to 1986=100 for the final publication to facilitate comparisons with the rebased national accounts which were released in June.

The narrative and explanatory notes presented in this report are condensed in comparison to the annual Alberta Economic Accounts publication, which contains more complete information on concepts and methodology as well as more detailed information on the different sectors of the Alberta economy.

THE ALBERTA ECONOMY IN 1989

Preliminary estimates indicate that Alberta's GDP in current dollars grew by 6.2% in 1989 to reach a level of $ 66.7 billion. The main sources of growth on the expenditure side of the accounts were strong personal expenditures, investment in residential construction, and exports, which grew mainly as a result of export prices increasing by 6.8%, the first increase since 1985. The largest increase in wages and salaries since 1982 led growth on the income side.

When prices are taken out of the estimates and GDP is converted to constant (1981) dollars, the level of growth was only 0.5%. This lower rate of growth was primarily due to a drop in the amount of oil exported from the province and a decline in the volume of non-residential construction. Consumer spending, the largest item on the expenditure account, grew at its highest rate since 1985.

Final Domestic Demand (FDD) is a measure of how the Alberta economy performs without the impact of exports and imports. In 1989, FDD grew by 7.0% in current dollars and by 2.9% in constant dollars.

Personal Income, which measures the income of individuals went up 6.7% in 1989, while Personal Disposable Income jumped 7.5%, indicating that individual income was not affected by the lower exports.

Highlights of the Expenditure Account

- Consumer Expenditures, the largest item on the expenditure account, grew by 9.6%, its highest rate of growth since 1981. In constant dollars, the level of spending grew by 5.2% equalling the growth rate attained in 1985. Leading this growth was expenditures on durable goods, which jumped by 12.8% (8.1% constant).

- Government current expenditures, which measures the level of current operating expenditures for all levels of government, increased by 7.7% (2.5% real).

- Gross fixed capital formation only grew by 1.2% (-0.4% real) in 1989 after jumping by 19.4% (18.2% real) in 1988. The main reason for this decline in activity was a drop of 9.5% (-13.2% real) in business non-residential construction. Combined with a decrease in the growth rate for machinery and equipment from 30.3% in 1988 to only 4.3% in 1989, this more than offset the strong residential market which jumped by 20.0% (16.0% real).

- The value of physical change in inventories declined from $455 million in 1988 to $240 million in 1989. While non-farm inventories grew during the year, there was a swing of $368 million in farm inventories which fell from a build up of $259 million in 1988 to a reduction of $109 million in 1989.

- Total exports grew by 4.4% in 1989, up from the marginal growth of only 0.6% in 1988. Most of the gain in 1989 was due to increasing export prices which jumped by 6.8%, the first increase since 1985. However, mainly due to a drop of 5.7% in the volume of oil exported and only a 0.3% increase in the amount of gas exported in 1989 (after jumping 16.8% in 1988), the value of real exports declined by 2.6%.

- Because of the lower growth rates in investment, the value of imports only grew by 5.5% in 1989 after increasing by over 10% in 1988. In constant dollars, growth was only 4.3%.

Highlights of the Income Account

- Wages and salaries grew by 8.9%, the highest rate of growth since 1982.

The level of corporation profits increased by 3.9% in 1989 after declining by 9.6% in 1988. Most of this increase was due to the increase in oil prices.

- Farm Income declined by 39.1% from the record high recorded in 1988. While cash receipts went up slightly (2.3%), operating expenses increased by 6.3% and inventories fell (as noted earlier) leading to this decline.

- Interest and miscellaneous investment income increased marginally by 1.1%. While interest income of persons climbed 9.0%, a jump of over 19% in interest on the public debt (a negative component) resulted in the lower growth rate.

Indirect taxes grew by 7.9%, while subsidies declined by 11.9%.

The following tables present detailed data for the components of GDP in current and constant dollars along with their annual growth rates. Tables 9 and 10 provide data on GDP by industry at factor cost. Historical data for 1961 to 1988 are unchanged from the 1988 Alberta Economic Accounts and are available on ASIST or on diskette.

TABLE 1

GROSS DOMESTIC PRODUCT, INCOME BASED

	1981	1982	1983	1984	1985	1986	1987	1988	1989 (1)
	(MILLIONS OF DOLLARS)								
WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME (2)	21,030	23,147	23,207	24,963	26,544	27,205	27,767	30,041	32,723
CORPORATION PROFITS BEFORE TAXES	8,514	8,426	10,358	11,659	12,416	6,417	8,611	7,786	8,093
INTEREST AND MISCELLANEOUS INVESTMENT INCOME	8,839	9,934	10,195	11,681	12,152	9,072	8,749	9,058	9,157
ACCRUED NET INCOME OF FARM OPERATORS FROM FARM PRODUCTION (3)	607	379	217	45	359	847	493	1,272	775
NET INCOME OF NON-FARM UNINCORPORATED BUSINESS, INCLUDING RENT	1,425	1,653	1,978	2,169	2,360	2,535	2,696	2,864	3,045
INVENTORY VALUATION ADJUSTMENT	-650	-404	-220	-206	-134	-40	-225	-148	-273
NET DOMESTIC INCOME AT FACTOR COST	39,765	43,135	45,735	50,311	53,697	46,036	48,091	50,873	53,520
CAPITAL CONSUMPTION ALLOWANCES	6,540	7,338	7,891	8,871	9,360	9,981	10,186	10,812	11,560
BUSINESS	5,960	6,661	7,136	8,043	8,484	9,049	9,213	9,813	10,503
GOVERNMENT	580	677	755	828	876	932	973	999	1,057
GROSS DOMESTIC PRODUCT AT FACTOR COST	46,305	50,473	53,626	59,182	63,057	56,017	58,277	61,685	65,080
INDIRECT TAXES	3,938	4,279	4,029	4,413	4,261	3,804	4,396	4,884	5,271
SUBSIDIES	-758	-1,983	-2,826	-3,421	-2,719	-2,450	-2,165	-1,994	-1,746
RESIDUAL	1,139	942	340	-849	-1,116	-837	-1,515	-1,774	-1,899
GROSS DOMESTIC PRODUCT AT MARKET PRICES	50,624	53,711	55,169	59,325	63,483	56,534	58,993	62,801	66,706

(1) PRELIMINARY - SUBJECT TO REVISION
(2) INCLUDES MILITARY PAY AND ALLOWANCES
(3) INCLUDES ADJUSTMENT ON GRAIN TRANSACTIONS

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

NOTE: DATA FOR 1961 TO 1989 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6100

TABLE 2

GROSS DOMESTIC PRODUCT, EXPENDITURE BASED

	1981	1982	1983	1984	1985	1986	1987	1988	1989 (1)
				(MILLIONS OF DOLLARS)					
PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	20,565	22,363	23,596	24,601	26,673	28,331	29,588	31,708	34,757
GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES (2)	6,282	7,349	8,213	9,085	9,619	9,891	10,170	10,635	11,453
GROSS FIXED CAPITAL FORMATION	19,440	18,775	14,248	12,584	13,874	12,668	13,126	15,668	15,852
GOVERNMENT	2,192	2,842	2,266	1,866	2,082	2,093	1,873	1,770	1,949
RESIDENTIAL CONSTRUCTION	7	7	19	2	2	3	3	5	5
NON-RESIDENTIAL CONSTRUCTION	1,903	2,530	2,008	1,617	1,898	1,849	1,606	1,544	1,660
MACHINERY AND EQUIPMENT	282	305	239	247	182	241	264	221	284
BUSINESS	17,248	15,933	11,982	10,718	11,792	10,575	11,253	13,898	13,903
RESIDENTIAL CONSTRUCTION	3,416	2,780	2,146	1,501	1,616	1,664	2,014	2,312	2,775
NON-RESIDENTIAL CONSTRUCTION	8,697	8,379	6,105	5,791	6,791	5,713	5,674	6,942	6,285
MACHINERY AND EQUIPMENT	5,135	4,774	3,731	3,426	3,385	3,198	3,565	4,644	4,843
FINAL DOMESTIC DEMAND	46,287	48,487	46,057	46,270	50,166	50,890	52,884	58,011	62,062
INVENTORIES	68	-1,072	-605	-262	80	764	156	455	240
NON-FARM	118	-987	-451	121	188	231	215	225	343
FARM	11	-78	-189	-369	-	454	-65	259	-109
GRAIN IN COMMERCIAL CHANNELS	-61	-7	35	-14	-108	79	6	-29	6
EXPORTS OUT OF ALBERTA	23,789	25,940	27,553	30,038	31,304	22,168	23,580	23,721	24,759
IMPORTS INTO ALBERTA	-18,381	-18,703	-17,496	-17,571	-19,183	-18,126	-19,142	-21,160	-22,254
RESIDUAL	-1,139	-941	-340	850	1,116	838	1,515	1,774	1,899
GROSS DOMESTIC PRODUCT AT MARKET PRICES	50,624	53,711	55,169	59,325	63,483	56,534	58,993	62,801	66,706

(1) PRELIMINARY - SUBJECT TO REVISION
(2) CURRENT REFERS TO CURRENT OPERATING EXPENDITURES ON GOODS AND SERVICES, RATHER THAN FIXED CAPITAL EXPENDITURES

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

NOTE: DATA FOR 1961 TO 1989 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6100

TABLE 3

PERCENTAGE CHANGE IN GROSS DOMESTIC PRODUCT, INCOME BASED

(SELECTED COMPONENTS)

	1981	1982	1983	1984	1985	1986	1987	1988	1989 (1)
				(PERCENT)					
WAGES, SALARIES AND SUPPLEMENTARY LABOUR INCOME	23.7	10.1	0.3	7.6	6.3	2.5	2.1	8.2	8.9
CORPORATION PROFITS	-9.3	-1.0	22.9	12.6	6.5	-48.3	34.2	-9.6	3.9
INTEREST AND MISCELLANEOUS INVESTMENT INCOME	20.1	12.4	2.6	14.6	4.0	-25.3	-3.6	3.5	1.1
ACCRUED NET INCOME OF FARM OPERATORS	-11.0	-37.6	-42.7	-79.3	697.8	135.9	-41.8	158.0	-39.1
NET INCOME OF NON-FARM UNINCORPORATED BUSINESS	11.9	16.0	19.7	9.7	8.8	7.4	6.4	6.2	6.3
CAPITAL CONSUMPTION ALLOWANCES	21.6	12.2	7.5	12.4	5.5	6.6	2.1	6.1	6.9
GROSS DOMESTIC PRODUCT AT FACTOR COST	14.5	9.0	6.2	10.4	6.5	-11.2	4.0	5.8	5.5
INDIRECT TAXES LESS SUBSIDIES	72.3	-27.8	-47.6	-17.5	55.4	-12.2	64.8	29.5	22.0
GROSS DOMESTIC PRODUCT AT MARKET PRICES	16.8	6.1	2.7	7.5	7.0	-10.9	4.3	6.5	6.2

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

TABLE 4

PERCENTAGE CHANGE IN GROSS DOMESTIC PRODUCT, EXPENDITURE BASED

(SELECTED COMPONENTS)

	1981	1982	1983	1984	1985	1986	1987	1988	1989 (1)
				(PERCENT)					
PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	19.5	8.7	5.5	4.3	8.4	6.2	4.4	7.2	9.6
GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES	25.3	17.0	11.8	10.6	5.9	2.8	2.8	4.6	7.7
GROSS FIXED CAPITAL FORMATION	28.5	-3.4	-24.1	-11.7	10.3	-8.7	3.6	19.4	1.2
GOVERNMENT	53.5	29.7	-20.3	-17.7	11.6	0.5	-10.5	-5.5	10.1
BUSINESS	25.9	-7.6	-24.8	-10.5	10.0	-10.3	6.4	23.5	-
RESIDENTIAL CONSTRUCTION	11.0	-18.6	-22.8	-30.1	7.7	3.0	21.0	14.8	20.0
NON-RESIDENTIAL CONSTRUCTION	24.3	-3.7	-27.1	-5.1	17.3	-15.9	-0.7	22.3	-9.5
MACHINERY AND EQUIPMENT	41.7	-7.0	-21.8	-8.2	-1.2	-5.5	11.5	30.3	4.3
FINAL DOMESTIC DEMAND	23.9	4.8	-5.0	0.5	8.4	1.4	3.9	9.7	7.0
EXPORTS OUT OF ALBERTA	12.3	9.0	6.2	9.0	4.2	-29.2	6.4	0.6	4.4
IMPORTS INTO ALBERTA	25.0	1.8	-6.5	0.4	9.2	-5.5	5.6	10.5	5.2
GROSS DOMESTIC PRODUCT AT MARKET PRICES	16.8	6.1	2.7	7.5	7.0	-10.9	4.3	6.5	6.2

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

TABLE 5

GROSS DOMESTIC PRODUCT IN CONSTANT (1981) DOLLARS

	1981	1982	1983	1984	1985	1986	1987	1988	1989 (1)
				(MILLIONS OF DOLLARS)					
PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	20,565	20,053	20,142	20,594	21,657	22,220	22,286	23,262	24,469
GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES	6,282	6,563	6,809	7,335	7,519	7,489	7,400	7,431	7,616
GROSS FIXED CAPITAL FORMATION	19,440	17,746	13,776	12,180	13,110	12,060	12,730	15,042	14,984
GOVERNMENT	2,192	2,653	2,170	1,831	2,018	2,050	1,888	1,737	1,834
BUSINESS	17,248	15,093	11,606	10,349	11,092	10,010	10,842	13,305	13,150
RESIDENTIAL CONSTRUCTION	3,416	2,759	2,179	1,496	1,588	1,585	1,862	2,091	2,425
NON-RESIDENTIAL CONSTRUCTION	8,697	7,860	5,831	5,552	6,253	5,334	5,318	6,171	5,358
MACHINERY AND EQUIPMENT	5,135	4,474	3,596	3,301	3,251	3,091	3,662	5,043	5,367
ADJUSTING ENTRY	-	-	-	-	-	-	-	-	-
ADJUSTING ENTRY	-	-	-	-	-	-	-	-	-
ADJUSTING ENTRY	-	-	-	-	-	-	-	-	-
NAL DOMESTIC DEMAND	46,287	44,362	40,727	40,109	42,286	41,769	42,416	45,735	47,069
INVENTORIES	68	-990	-658	-312	38	961	8	-113	306
NON-FARM	118	-913	-394	105	157	188	171	174	255
FARM	11	-79	-310	-410	28	675	-193	-190	27
GRAIN IN COMMERCIAL CHANNELS	-61	2	46	-7	-147	98	30	-97	24
EXPORTS OUT OF ALBERTA	23,789	23,372	23,351	24,791	25,287	24,123	26,255	29,010	28,326
MPORTS INTO ALBERTA	-18,381	-17,738	-16,412	-15,730	-16,878	-15,512	-16,437	-18,106	-18,888
RESIDUAL	-1,139	-844	-289	711	908	769	1,381	1,659	1,661
ADJUSTING ENTRY	-	-	-	-	-	-	-	-	-
GROSS DOMESTIC PRODUCT T MARKET PRICES	50,624	48,162	46,719	49,569	51,641	52,110	53,623	58,185	58,474

RELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

OTE: DATA FOR 1961 TO 1989 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6102

TABLE 6

IMPLICIT PRICE INDEXES, GROSS DOMESTIC PRODUCT, 1981=100

	1981	1982	1983	1984	1985	1986	1987	1988	1989 (1)
PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	100.0	111.5	117.1	119.5	123.2	127.5	132.8	136.3	142.0
GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES	100.0	112.0	120.6	123.9	127.9	132.1	137.4	143.1	150.4
GROSS FIXED CAPITAL FORMATION	100.0	105.8	103.4	103.3	105.8	105.0	103.1	104.2	105.8
GOVERNMENT	100.0	107.1	104.4	101.9	103.2	102.1	99.2	101.9	106.3
BUSINESS	100.0	105.6	103.2	103.6	106.3	105.6	103.8	104.5	105.7
RESIDENTIAL CONSTRUCTION	100.0	100.8	98.5	100.3	101.8	105.0	108.2	110.6	114.4
NON-RESIDENTIAL CONSTRUCTION	100.0	106.6	104.7	104.3	108.6	107.1	106.7	112.5	117.3
MACHINERY AND EQUIPMENT	100.0	106.7	103.8	103.8	104.1	103.5	97.4	92.1	90.2
FINAL DOMESTIC DEMAND	100.0	109.3	113.1	115.4	118.6	121.8	124.7	126.8	131.9
EXPORTS OUT OF ALBERTA	100.0	111.0	118.0	121.2	123.8	91.9	89.8	81.8	87.4
IMPORTS INTO ALBERTA	100.0	105.4	106.6	111.7	113.7	116.9	116.5	116.9	117.8
GROSS DOMESTIC PRODUCT AT MARKET PRICES	100.0	111.5	118.1	119.7	122.9	108.5	110.0	107.9	114.1

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

NOTE: DATA FOR 1961 TO 1989 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6104

TABLE 7

PERCENT CHANGE IN GROSS DOMESTIC PRODUCT

IN CONSTANT (1981) DOLLARS, SELECTED COMPONENTS

	1981	1982	1983	1984	1985	1986	1987	1988	1989 (1)
				(PERCENT)					
PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	5.7	-2.5	0.4	2.2	5.2	2.6	0.3	4.4	5.2
GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES	8.0	4.5	3.7	7.7	2.5	-0.4	-1.2	0.4	2.5
GROSS FIXED CAPITAL FORMATION	18.1	-8.7	-22.4	-11.6	7.6	-8.0	5.6	18.2	-0.4
GOVERNMENT	37.5	21.0	-18.2	-15.6	10.2	1.6	-7.9	-8.0	5.6
BUSINESS	15.7	-12.5	-23.1	-10.8	7.2	-9.8	8.3	22.7	-1.2
RESIDENTIAL CONSTRUCTION	-0.3	-19.2	-21.0	-31.3	6.1	-0.2	17.5	12.3	16.0
NON-RESIDENTIAL CONSTRUCTION	16.8	-9.6	-25.8	-4.8	12.6	-14.7	-0.3	16.0	-13.2
MACHINERY AND EQUIPMENT	25.7	-12.9	-19.6	-8.2	-1.5	-4.9	18.5	37.7	6.4
FINAL DOMESTIC DEMAND	10.5	-4.2	-8.2	-1.5	5.4	-1.2	1.5	7.8	2.9
EXPORTS OUT OF ALBERTA	3.2	-1.8	-0.1	6.2	2.0	-4.6	8.8	10.5	-2.4
IMPORTS INTO ALBERTA	15.0	-3.5	-7.5	-4.2	7.3	-8.1	6.0	10.2	4.3
GROSS DOMESTIC PRODUCT AT MARKET PRICES	6.4	-4.9	-3.0	6.1	4.2	0.9	2.9	8.5	0.5

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

TABLE 8

PERCENT CHANGE FOR IMPLICIT PRICE INDEXES, 1981=100

	1981	1982	1983	1984	1985	1986	1987	1988	1989 (1)
				(PERCENT)					
PERSONAL EXPENDITURE ON CONSUMER GOODS AND SERVICES	13.0	11.5	5.0	2.0	3.1	3.5	4.2	2.6	4.2
GOVERNMENT CURRENT EXPENDITURE ON GOODS AND SERVICES	16.0	12.0	7.7	2.7	3.2	3.3	4.0	4.1	5.1
GROSS FIXED CAPITAL FORMATION	8.8	5.8	-2.3	-0.1	2.4	-0.8	-1.8	1.1	1.5
GOVERNMENT	11.6	7.1	-2.5	-2.4	1.3	-1.1	-2.8	2.7	4.3
BUSINESS	8.8	5.6	-2.3	0.4	2.6	-0.7	-1.7	0.7	1.1
RESIDENTIAL CONSTRUCTION	11.4	0.8	-2.3	1.8	1.5	3.1	3.0	2.2	3.4
NON-RESIDENTIAL CONSTRUCTION	6.4	6.6	-1.8	-0.4	4.1	-1.4	-0.4	5.4	4.3
MACHINERY AND EQUIPMENT	12.7	6.7	-2.7	0.0	0.3	-0.6	-5.9	-5.4	-2.1
FINAL DOMESTIC DEMAND	12.1	9.3	3.5	2.0	2.8	2.7	2.4	1.7	4.0
EXPORTS OUT OF ALBERTA	8.8	11.0	6.3	2.7	2.1	-25.8	-2.3	-8.9	6.8
IMPORTS INTO ALBERTA	8.7	5.4	1.1	4.8	1.8	2.8	-0.3	0.3	0.8
GROSS DOMESTIC PRODUCT AT MARKET PRICES	9.8	11.5	5.9	1.4	2.7	-11.7	1.4	-1.9	5.7

(1) PRELIMINARY - SUBJECT TO REVISION

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

TABLE 9

GROSS DOMESTIC PRODUCT AT FACTOR COST (1), BY INDUSTRY

	1981	1982	1983	1984	1985	1986	1987	1988	1989 (9)
			(MILLIONS OF DOLLARS)						
AGRICULTURE (2)	1,814	1,695	1,461	1,335	1,745	2,264	2,035	2,817	2,318
FORESTRY (3)	102	120	113	131	143	151	167	178	185
MINING	9,315	10,462	12,565	14,586	15,477	9,120	10,554	9,893	10,427
MANUFACTURING	3,744	3,504	3,629	4,299	4,586	4,620	4,966	5,486	5,724
CONSTRUCTION	4,155	4,142	3,263	2,852	2,861	2,845	3,048	3,460	3,816
TRANSPORTATION (4)	2,942	3,353	3,448	3,545	3,749	3,938	4,108	4,294	4,553
UTILITIES	1,019	1,358	1,529	1,766	1,917	1,921	2,028	2,184	2,302
TRADE (5)	3,779	3,963	4,026	4,786	5,168	5,492	5,585	6,138	6,526
FINANCE (6)	10,028	10,993	11,986	13,397	14,130	11,825	11,362	11,786	12,517
FINANCE - EXCLUDING NATURAL RESOURCE ROYALTIES	5,955	6,472	7,229	8,341	9,217	9,238	9,346	9,713	10,408
SERVICES (7)	7,235	8,330	8,671	9,546	10,241	10,669	11,216	12,116	13,158
PUBLIC ADMINISTRATION (8)	2,173	2,552	2,933	2,941	3,040	3,172	3,210	3,332	3,554
GROSS DOMESTIC PRODUCT AT FACTOR COST	46,305	50,473	53,626	59,182	63,057	56,017	58,277	61,685	65,080

(1) GDP AT MARKET PRICE IS OBTAINED BY ADDING INDIRECT TAXES LESS SUBSIDIES, PLUS RESIDUAL; SEE TABLE 1
(2) INCLUDES FISHING AND TRAPPING
(3) INCLUDES ONLY LOGGING AND SERVICES INCIDENTAL TO FORESTRY; EXCLUDES SAWMILLS, PULP AND PAPER MILLS, ETC. WHICH ARE INCLUDED IN MANUFACTURING
(4) INCLUDES STORAGE AND COMMUNICATIONS
(5) INCLUDES RETAIL AND WHOLESALE TRADE
(6) INCLUDES INSURANCE AND REAL ESTATE; ALSO INCLUDES NATURAL RESOURCE ROYALTIES
(7) INCLUDES COMMUNITY, BUSINESS AND PERSONAL SERVICES
(8) INCLUDES FEDERAL, PROVINCIAL AND LOCAL GOVERNMENT ADMINISTRATION; DOES NOT INCLUDE PUBLIC SCHOOLS AND PUBLIC HOSPITALS WHICH ARE INCLUDED IN SERVICES
(9) PRELIMINARY - SUBJECT TO REVISION

NOTES: COMPONENTS MAY NOT ADD TO TOTALS DUE TO ROUNDING
DATA FOR 1961 TO 1989 FOR THIS TABLE CAN BE RETRIEVED FROM ASIST, MATRIX 6101

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990

TABLE 10

PERCENT CHANGE IN GROSS DOMESTIC PRODUCT

AT FACTOR COST, BY INDUSTRY

	1981	1982	1983	1984	1985	1986	1987	1988	1989 (1)
				(PERCENT)					
AGRICULTURE (2)	7.3	-6.6	-13.8	-8.6	30.7	29.7	-10.1	38.4	-17.7
FORESTRY (3)	17.2	17.6	-5.8	15.9	9.2	5.6	10.6	6.6	3.9
MINING	-6.8	12.3	20.1	16.1	6.1	-41.1	15.7	-6.3	5.4
MANUFACTURING	28.6	-6.4	3.6	18.5	6.7	0.7	7.5	10.5	4.3
CONSTRUCTION	36.5	-0.3	-21.2	-12.6	0.3	-0.6	7.1	13.5	10.3
TRANSPORTATION (4)	11.6	14.0	2.8	2.8	5.8	5.0	4.3	4.5	6.0
UTILITIES	35.0	33.3	12.6	15.5	8.6	0.2	5.6	7.7	5.4
TRADE (5)	17.1	4.9	1.6	18.9	8.0	6.3	1.7	9.9	6.3
FINANCE (6)	19.6	9.6	9.0	11.8	5.5	-16.3	-3.9	3.7	6.2
FINANCE - EXCLUDING NATURAL RESOURCE ROYALTIES	33.0	8.7	11.7	15.4	10.5	0.2	1.2	3.9	7.2
SERVICES (7)	22.4	15.1	4.1	10.1	7.3	4.2	5.1	8.0	8.6
PUBLIC ADMINISTRATION (8)	20.6	17.4	14.9	0.3	3.4	4.3	1.2	3.8	6.7
GROSS DOMESTIC PRODUCT AT FACTOR COST	14.5	9.0	6.2	10.4	6.5	-11.2	4.0	5.8	5.5

(1) PRELIMINARY - SUBJECT TO REVISION
(2 TO 8) SEE TABLE 9

SOURCE: ALBERTA BUREAU OF STATISTICS, AUGUST, 1990